

JOHN AUERBACH COMMISSIONER

The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

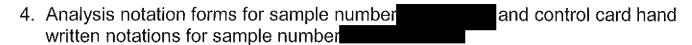
12/23/10

Melissa Brooks
Assistant District Attorney, Suffolk County

Dear ADA Brooks,

Enclosed <u>are copies</u> of the information you requested regarding sample numbers and and in the following:

- 1. Drug Analysis Laboratory Receipt.
- 2. Curriculum Vitae for Daniela Frasca and Kate A. Corbett.
- 3. Control Cards with analytical results for sample numbers and



5. GC-MS raw data sheets for sample number

GC-MS confirmatory testing was performed by Kate A. Corbett. All other testing was performed by Daniela Frasca. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

Daniela Frasca Chemist II Drug Analysis Lab Jamaica Plain, MA 02130 (617) 983-6631

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CC#			
BOOK #_	191		
PAGE#_	/3	 	
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DRUG RECEIPT				
District/Unit	۵. (DYNE	ID#	
DEFENDANT'S NAME	AD	DRESS	CITY	STATE
			LAB US	E ONLY
DESCRIPTION OF ITEMS SUBMITTED		GROSS QUANTITY	GROSS WEIGHT	ANALYSI: NUMBER
OCAINE		13 pacs	17.04a	
MARIJUMA.	77.000	71 P/8'S	1236.6g	
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To be completed by ECU personnel only

Name and Rank of Submitting Officer ____ Received by _ Date _ ECU Control #

BPD Form 0038-BIS-0907 (prev. 1753)

Daniela Frasca

Education

Boston University School of Medicine, Boston MA

Currently enrolled in the Biomedical Forensic Science MS Program.

Suffolk University, Boston, MA

Graduated in 05/1996 and received a Bachelor of Science in Biochemistry

EXPERIENCE

Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA 01/2001 – present Drug Laboratory: Chemist II

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- Completed four weeks of training in drug analysis under the supervision of senior chemists.

Quest Diagnostics Incorporated, Cambridge, MA

09/1996 - 10/2001

Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- · Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

Additional Training

Northeastern Association of Forensic Scientists

Designer Drugs

Clandestine labs

Agilent Instruments and Software

Digital Photography

McCrone Research Institute

Forensic Polarized Microscopy

Polarized Microscopy of Illicit Drugs and Excipients

Massachusetts State Laboratory Institute

Expert Witness

Raman Spectrophotometer

Associations and Programs

•	Northeastern Association of Forensic Scientists (NEAFS)	2001 - present
•	The International Association of Forensic Toxicologists (TIAFT)	2003 - present
	The International Association of Therapeutic Drug Monitoring	2003 - present
	And Clinical Toxicology (IATDMCT)	
	Massachusetts State Science Fair Judge	2000 - present
	Middle School State Science Fair Judge	2006 - present
•	Volunteer Science Project Mentor/Tutor	2003 - present
	for the TTT Mentor Program	· ·

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003 MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- > Generated and examined sensors employing fluorescence spectroscopy
- > Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- > Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

Intern (March 2003 - August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

No. Date Analyzed:
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
De Amount.
No. Cont: 13 Cont: pb

Date Rec'd: 07/16/2010

Gross Wt.: 17.04

No. Analyzed: 6

Net Weight: 1/679

Fight Made for the part 13

Tests: 13

Findings:

No

Date Analyzed:

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

JUL 26 2010

Subst: VM

6 4 Def: Amount

No. Cont:

71

Cont: pb

Date Rec'd: 07/16/2010

Gross Wt.:

1236.00

No. Analyzed:/

Net Weight: 448.9

Tests:

Ma

Prelim:

Findings:

Corbett_email_PRR_026240

DRUG <u>POW</u> DF	R ANALYSIS FORM		
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PRELIMINARY TEST RESULTS

RESULTS Coashe

DATE 7/21/10

GC/MS CONFIRMATORY TEST

RESULTS Coame

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OPERATOR PLINSN MS! ICHC

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1-44(7)

Date Analyzed:

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

JUL 26 2010

Subst: VM

64 Def.

Amount! No. Cont:

71

Cont: pb

Date Rec'd: 07/16/2010

Gross Wt.:

1236.00

No. Analyzed: /

Net Weight: 4 4 8.99

Prelim:

Findings:

Area Percent / Library Search Report

Information from Data File:

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: KAC Operator

Date Acquired : 28 Jul 2010

Sample Name

: BLANK

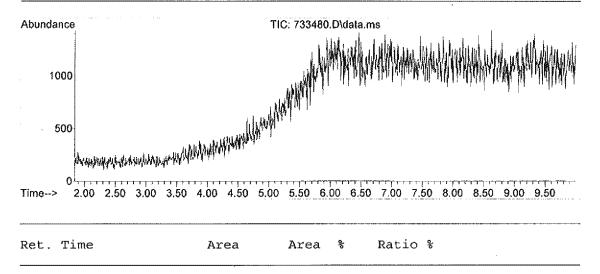
Submitted by

Vial Number

AcquisitionMeth: DRUGS.M

Integrator

: RTE



2:26

NO INTEGRATED PEAKS

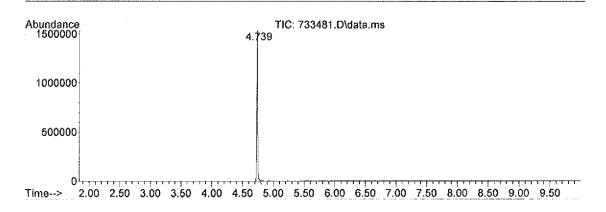
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Operator : KAC
Date Acquired : 28 Jul 2010

Sample Name : COCAINE STD

Submitted by

Vial Number 81 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.739	1466031	100.00	100.00

File Name : F:\Q3-2010\System7\07_27_10\733481.D

Operator : KAC

Date Acquired : 28 Jul 2010 2:39

Sample Name : COCAINE STD

Submitted by

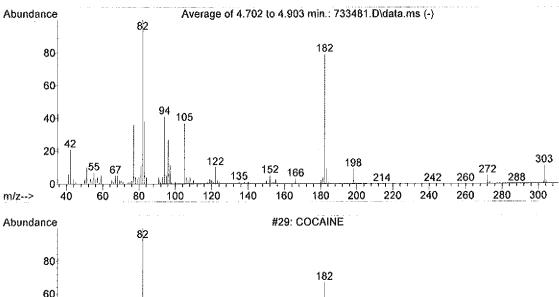
Vial Number : 81 AcquisitionMeth: DRUGS.M Integrator : RTE

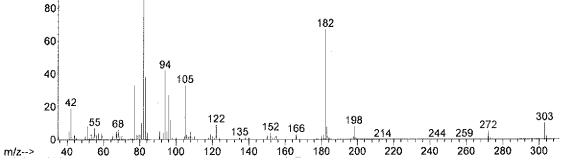
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C:\Database\NIST05a.L Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
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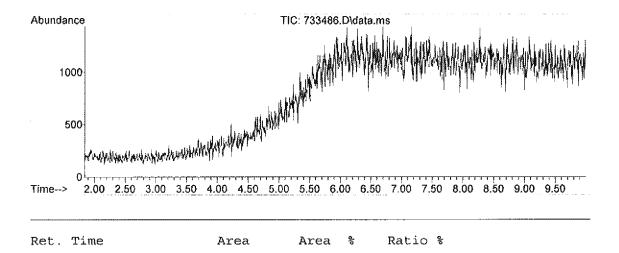


File Name : F:\Q3-2010\System7\07_27_10\733486.D

Operator : KAC

Date Acquired : 28 Jul 2010 3:42

Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



NO INTEGRATED PEAKS

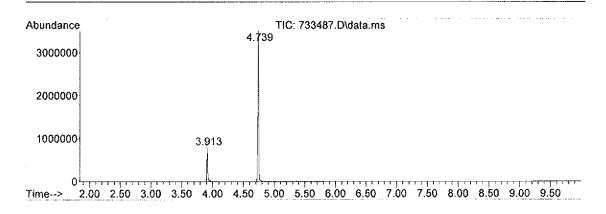
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Operator : KAC

Date Acquired : 28 Jul 2010 3:54

Sample Name :

Submitted by : DXF
Vial Number : 87
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.913 4.739	3406905	23100	24.46 100.00

733487.D

File Name : F:\Q3-2010\System7\07_27_10\733487.D

: KAC Operator

Date Acquired 28 Jul 3:54

Sample Name Submitted by

Vial Number

Integrator

DXF 87 AcquisitionMeth: DRUGS.M : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

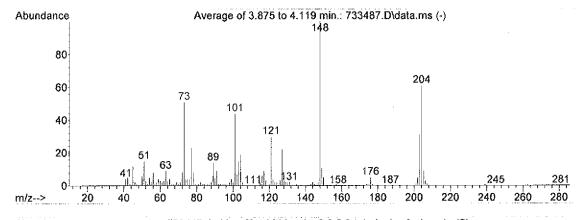
C:\Database\NIST05a.L

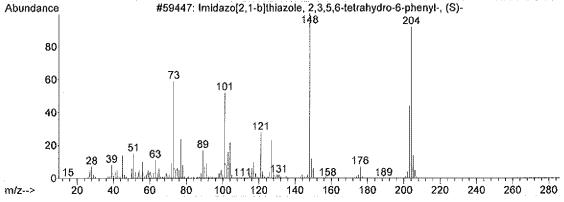
C:\Database\PMW TOX2.L

Library/ID PK# RT CAS# Qual

1 3.91 C:\Database\NIST05a.L

Imidazo[2,1-b]thiazole, 2,3,5,6-tet 014769-73-4 99 Imidazo[2,1-b]thiazole, 2,3,5,6-tet 014769-73-4 98 Imidazo[2,1-b]thiazole, 2,3,5,6-tet 006649-23-6 98





File Name : F:\Q3-2010\System7\07_27_10\733487.D

Operator : KAC

Date Acquired : 28 Jul 2010 3:54

Sample Name :

Submitted by : 777
Vial Number : 87
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

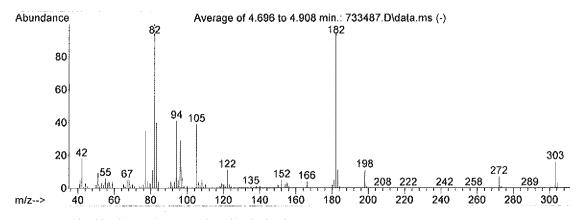
C:\Database\NIST05a.L Minimum Quality: 80

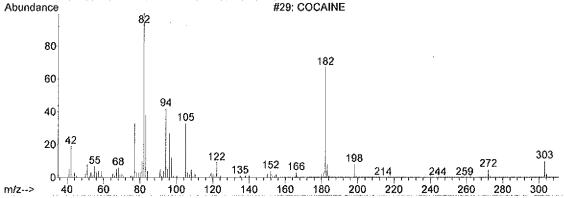
C:\Database\PMW_TOX2.L

PK# RT Library/ID CAS# Qual

2 4.74 C:\Database\SLI.L

COCAINE 000050-36-2 99





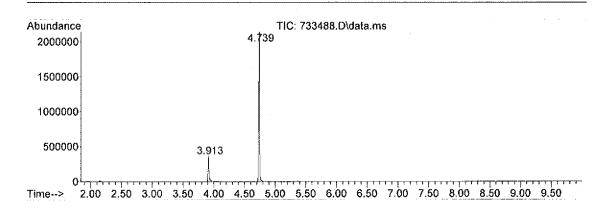
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Operator : KAC

Date Acquired : 28 Jul 2010 4:07

Sample Name

Submitted by : DXF
Vial Number : 88
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.913 4.739		16.38 83.62		

: $F: Q3-2010 \S stem7 \ 07 \ 27 \ 10 \ 733488.D$ File Name

Operator : KAC

Date Acquired 4:07

Sample Name Submitted by DXF

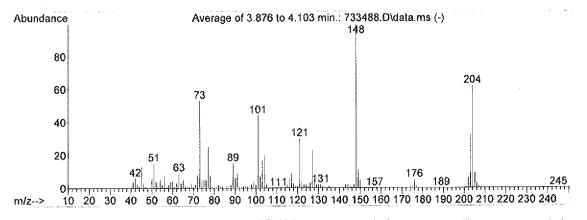
Vial Number 88 AcquisitionMeth: DRUGS.M Integrator : RTE

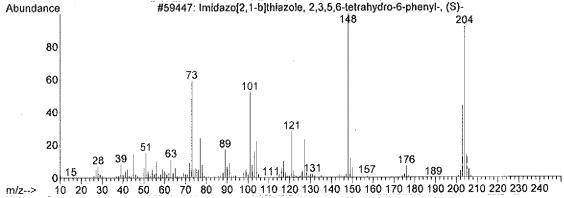
Minimum Quality: 80 Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST05a.L

C:\Database\PMW_TOX2.L

	PK#	RT	Library/ID		CAS#	Qual
_	1	3.91	C:\Database\NIST05a.L	,		
			<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	014769-73-4	98
			<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98
			<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98





File Name : F:\Q3-2010\System7\07 27 10\733488.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:07

Sample Name :

Submitted by : DAF
Vial Number : 88
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK# RT Library/ID

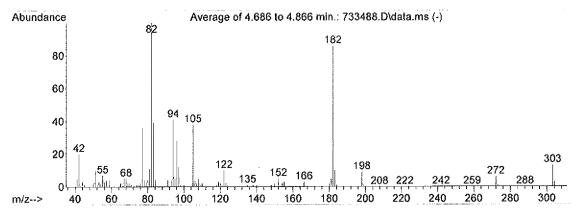
CAS# Qual

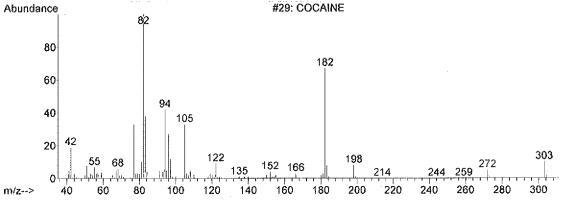
2 4.74 C:\Database\SLI.L

COCAINE

000050-36-2

99





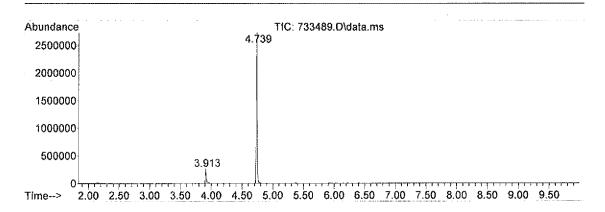
File Name : F:\Q3-2010\System7\07_27_10\733489.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:20

Sample Name :

Submitted by : DXF
Vial Number : 89
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.913	315437	11.01	12.37	
4.739	2550077	88.99	100.00	

File Name : F:\Q3-2010\System7\07 27 10\733489.D

KAC Operator

Date Acquired 28 Jul

Sample Name

Submitted by Vial Number 89

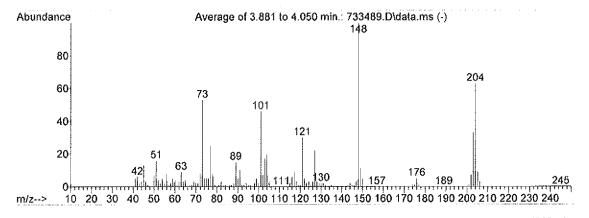
AcquisitionMeth: DRUGS.M Integrator : RTE

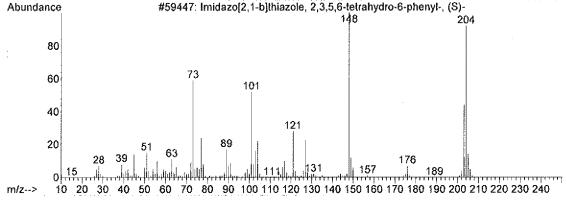
Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

	PK#	RT	Library/ID		CAS#	Qual
•	1	3.91	C:\Database\NIST05a.L			
			Imidazo[2,1-b]thiazole,	2,3,5,6-tet	014769-73-4	98
			<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98
			Tmidazo[2.1-b]thiazole.	2.3.5.6-tet	014769-73-4	97





File Name F:\Q3-2010\System7\07 27 10\733489.D

Operator KAC

Date Acquired 28 Jul 2010 4:20

Sample Name

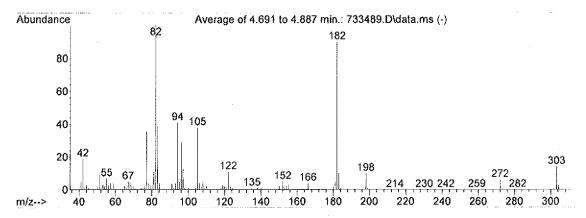
Submitted by DXF Vial Number 89 AcquisitionMeth: DRUGS.M Integrator : RTE

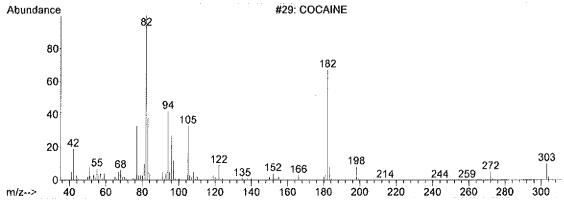
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST05a.L Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK# CAS# RT Library/ID Qual 2 4.74 C:\Database\SLI.L COCAINE 000050-36-2 99



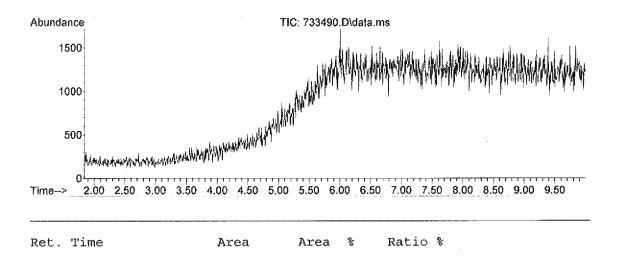


File Name : F:\Q3-2010\System7\07_27_10\733490.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:32

Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



NO INTEGRATED PEAKS

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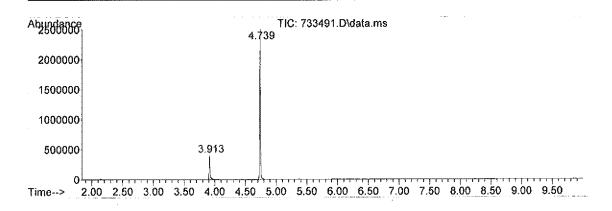
Operator : KAC

Date Acquired 28 Jul 2010 4:45

Sample Name

: DXF Submitted by Vial Number : 91

AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.913 4.739	466102 2291776		20.34 100.00	

File Name : F:\Q3-2010\System7\07_27_10\733491.D

Operator KAC

Date Acquired 28 Jul 2010 4:45

Sample Name

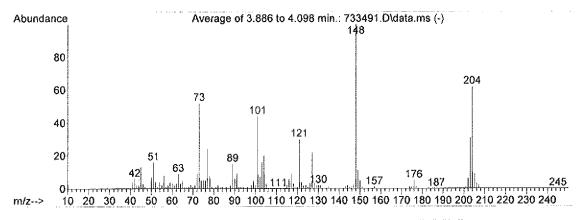
Submitted by DXF Vial Number 91 AcquisitionMeth: DRUGS.M Integrator : RTE

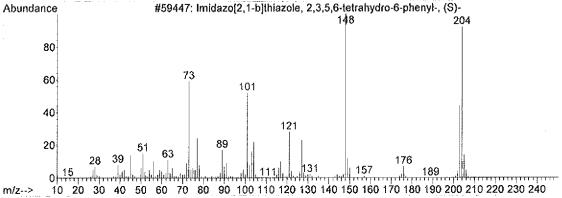
Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 C:\Database\NIST05a.L Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK#	RT	Library/ID		CAS#	Qual
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		<pre>Imidazo[2,1-b]thiazole,</pre>			98
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98
		Imidazo[2.1-b]thiazole.	2.3.5.6-tet	006649-23-6	98





File Name : $F: Q3-2010 \System7 \ 07_27_10 \ 733491.D$

: KAC Operator

Date Acquired 28 Jul 2010 4:45

Sample Name Submitted by

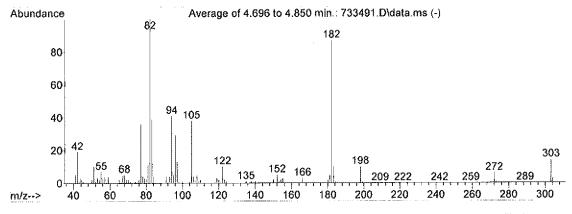
DXF Vial Number 91 AcquisitionMeth: DRUGS.M Integrator : RTE

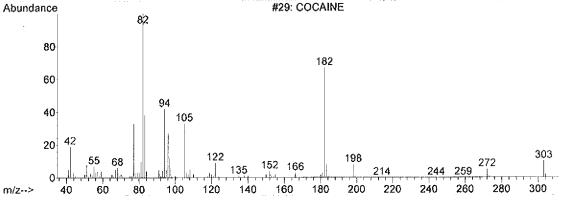
Minimum Quality: 80 Search Libraries: C:\Database\SLI.L

C:\Database\NIST05a.L Minimum Quality: 80

C:\Database\PMW TOX2.L

PK# CAS# RTLibrary/ID Qual 4.74 C:\Database\SLI.L 2 COCAINE 000050-36-2 99





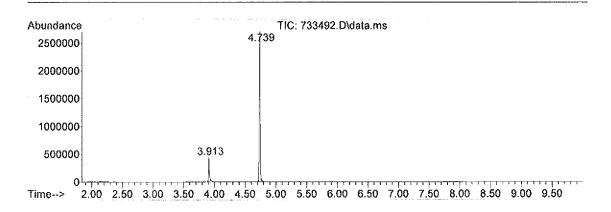
File Name : F:\Q3-2010\System7\07_27_10\733492.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:58

Sample Name :

Submitted by : DXF
Vial Number : 92
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.913		16.70 83.30		
4.739		83.30	100.00	

File Name : F:\Q3-2010\System7\07 27 10\733492.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:58

Sample Name :

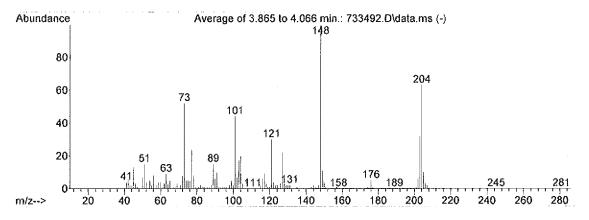
Submitted by : DRI Vial Number : 92 AcquisitionMeth: DRUGS.M Integrator : RTE

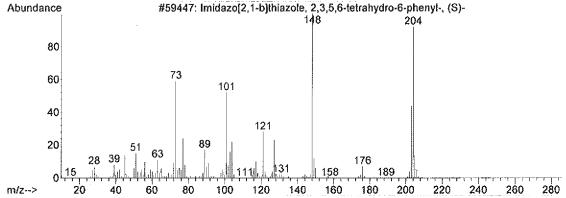
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST05a.L Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK#	RT	Library/ID		CAS#	Qual
1	3.91	C:\Database\NIST05a.L Imidazo[2,1-b]thiazole, Imidazo[2,1-b]thiazole, Imidazo[2,1-b]thiazole,	2,3,5,6-tet	006649-23-6	98 98 98
		· · · · · · · · · · · · · · · · · · ·	L		





File Name : F:\Q3-2010\System7\07 27 10\733492.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:58

Sample Name :

Submitted by : DXF
Vial Number : 92
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK# RT Library/ID

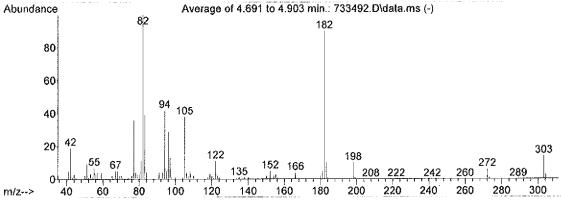
CAS# Qual

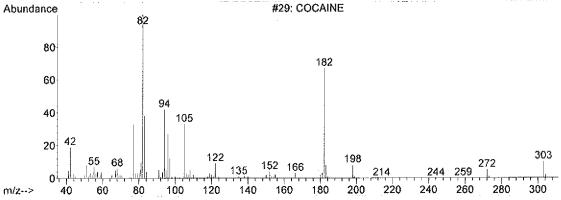
2 4.74 C:\Database\SLI.L

COCAINE

000050-36-2

99





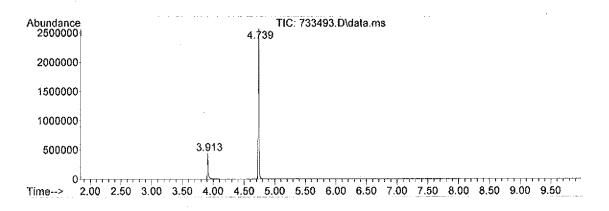
File Name : F:\Q3-2010\System7\07_27_10\733493.D

Operator : KAC

Date Acquired : 28 Jul 2010 5:10

Sample Name :

Submitted by : DXF
Vial Number : 93
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.913	495423	17.25	
4.739	2376040	82.75	

File Name : $F: Q3-2010 \times 7 07_27_10 \times 3493.D$

KAC Operator

Date Acquired 28 5:10

Sample Name

Submitted by DXF Vial Number 93 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

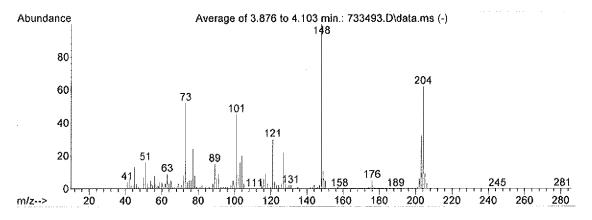
Minimum Quality: 80

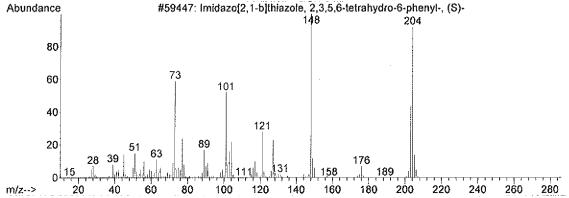
C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK#	RT	Library/ID		CAS#	Qua1
1.	3.91	C:\Database\NIST05a.L			-
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	014769-73-4	98
		Imidazo[2,1-b]thiazole,	2,3,5,6-tet	006649-23-6	98
		Imidazo[2 1_h]thiazole	2 3 5 6-+o+	006649-23-6	QΩ





File Name : F:\Q3-2010\System7\07 27 10\733493.D

Operator : KAC

Date Acquired : 28 Jul 2010 5:10

Sample Name :

Submitted by : DXF
Vial Number : 93
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK# RT Library/ID

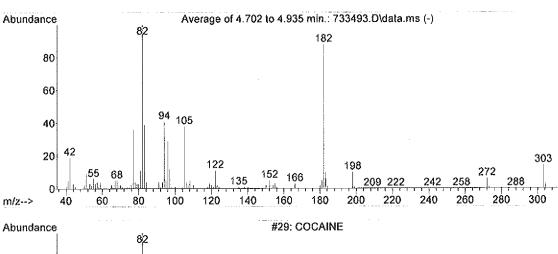
CAS# Qual

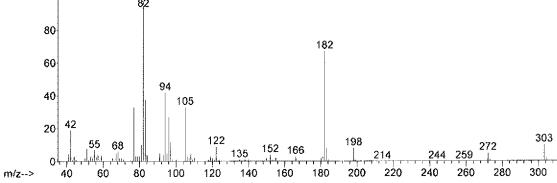
2 4.74 C:\Database\SLI.L

COCAINE

000050-36-2

99





File Name : F:\Q3-2010\System7\07_27_10\733495.D

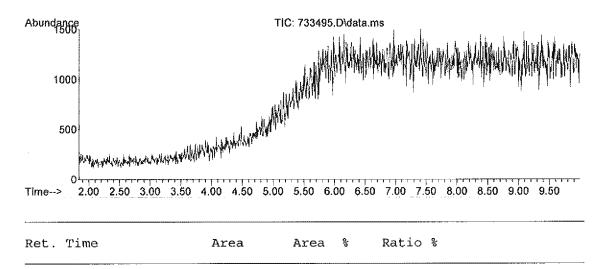
Operator : KAC

Date Acquired : 28 Jul 2010 5:35

Sample Name : BLANK

Submitted by :

Vial Number : 2 AcquisitionMeth: DRUGS.M Integrator : RTE



NO INTEGRATED PEAKS

File Name : F:\Q3-2010\System7\07_27_10\733496.D

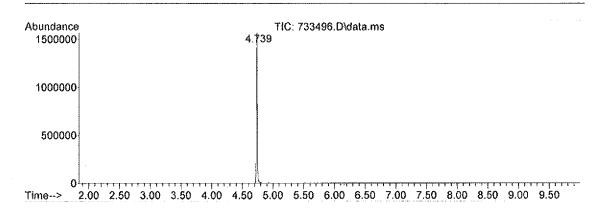
Operator : KAC

Date Acquired : 28 Jul 2010 5:48

Sample Name : COCAINE STD

Submitted by :

Vial Number : 96 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.739	1529771	100.00	100.00

File Name : F:\Q3-2010\System7\07_27_10\733496.D

Operator KAC

Date Acquired 28 Jul 2010 5:48

Sample Name COCAINE STD

Submitted by

Vial Number 96 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

PK# RTLibrary/ID CAS# Qual

4.74 C:\Database\SLI.L 1

COCAINE

105

100

122

120

135

140

000050-36-2

99

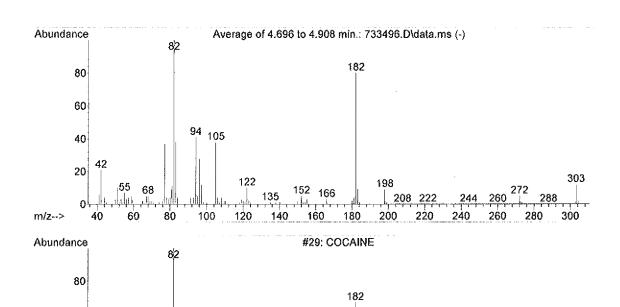
303

300

272

280

260



152 166

160

180

198

200

220

240

60

40

0

m/z-->

42 20

40

55

60

68

80